



6	M	E	2
---	---	---	---

--

↑
請把電腦條碼貼在方格內
Please stick the barcode label in the box

Education Bureau
Territory-wide System Assessment 2016◆
Primary 6
Mathematics

Instructions:

1. Stick barcode labels on pages 1, 3, 5, 7 and 9 in the spaces provided.
2. There are 38 questions in this test. Answer all questions.
3. Time allowed is 50 minutes.
4. Write your answers in this Question-Answer Booklet.
5. Do not write in the margins.
6. Use of calculators is not allowed.
7. Do your rough work on the rough work sheet provided.
8. Write your School Code, Class and Class Number in the boxes below.

Instructions for answering questions:

- (a) Multiple choice questions – Blacken the circle next to the correct answer with an **HB pencil**.
For example:

- ☒ A
☐ B
☐ C
☐ D

- (b) Questions in which you are asked to “Show your working” – Write your mathematical expressions, answers and statements/conclusions in the spaces provided. There is NO need to show your rough work.

- (c) Other types of questions – Answer as required in the spaces provided.

School Code
學校編號

--	--	--

Class
班別

6	
---	--

Class
No.
班號

--	--

↑
此格只許填寫一個大楷英文字母

Write one **capital letter** in this box

◆2016 年小六全港性系統評估暫停舉行。此評估是學校以自願形式參與，而非全體小六學生參與的全港性系統評估。
The 2016 P6 TSA has been suspended. Participation in the 2016 P6 TSA is on a voluntary basis. As a result, this is a TSA in which not all P6 students will participate.

1. Which of the following numbers has the digit '9' in its hundreds place?

☐ A. 349.08
☐ B. 3 490.8
☐ C. 34 908
☐ D. 349 080

2. 63 is a factor of

☐ A. 9.
☐ B. 21.
☐ C. 189.
☐ D. 305.

3. List all the factors of 87.

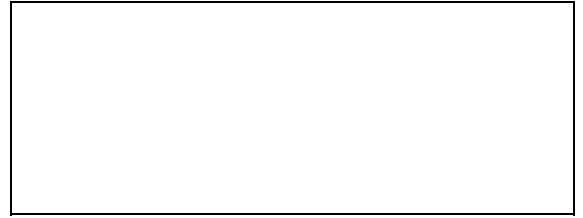
Answer: _____

4. The Least Common Multiple (L.C.M.) of 6 and 16 is _____ .

5. $\frac{30}{31}$ is * smaller than / equal to / larger than $\frac{31}{30}$.

(*Circle the answer)

請把電腦條碼貼在方格內
Please stick the barcode label in the box



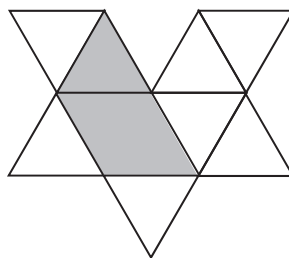
Please do not write in the margin.

6. The first common multiple of 6 and 13 is 78.

Which of the following numbers is their third common multiple?

- ☐ A. 26
- ☐ B. 39
- ☐ C. 156
- ☐ D. 234

7. Shade the figure below so that the shaded part is $\frac{1}{2}$ of the whole figure.



Please do not write in the margin.



8. (a) Change $2\frac{2}{11}$ into an improper fraction.

Answer:

- (b) Change $\frac{76}{7}$ into a mixed number.

Answer:

9. Which of the following fractions has its value nearest to 1?

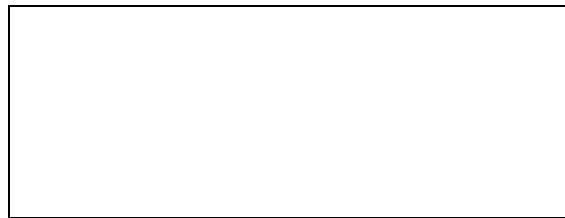
(Circle the answer)

$$1\frac{2}{9} \quad , \quad \frac{8}{9} \quad , \quad \frac{1}{9}$$

10. Change 1.05 into a fraction and reduce it to the simplest form.

Answer:

請把電腦條碼貼在方格內
Please stick the barcode label in the box



Please do not write in the margin.

11. $615 - 80 \div 5 =$

☐ A. 107

☐ B. 127

☐ C. 599

☐ D. 609

12. $22 \div (11 \times 2) =$ _____

13. $\frac{1}{5} + 3\frac{2}{5} - 1\frac{4}{5} =$

14. $\frac{1}{9} \times 4\frac{2}{5} \div \frac{11}{15} =$

15. $83.4 + 0.96 - 7.46 =$ _____

16. $1.08 \div 1.8 =$ _____

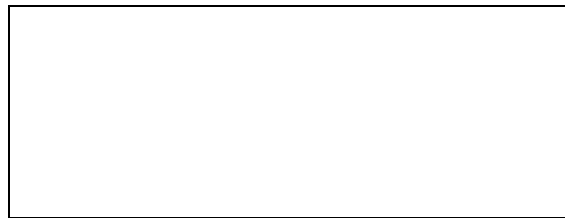
Please do not write in the margin.

17. There are 32 pupils in Class 6A. $\frac{5}{8}$ of them form a football team. $\frac{3}{8}$ of them form a basketball team.

The football team has _____ * more / less pupil(s) than the basketball team. (*Circle the answer)

18. A packet of sugar weighs $5\frac{1}{2}$ grams. Hugo puts $3\frac{3}{4}$ packets of sugar into a bottle of milk tea. Then, he divides the milk tea into 5 cups. How many grams of sugar does each cup of milk tea contain on average?
(Show your working)

請把電腦條碼貼在方格內
Please stick the barcode label in the box



Please do not write in the margin.

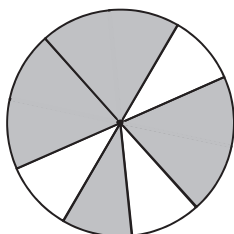
19. A pencil costs 1.8 dollars. A fountain pen costs 57.6 dollars.

The price of a fountain pen is _____ times that of a pencil.

20. Each sticker costs \$9.80. Miss Cheung has \$407.50 .
Which of the following expressions is most suitable for estimating the largest number of stickers she can buy?

- ☐ A. $400 \div 9$
- ☐ B. $500 \div 9$
- ☐ C. $400 \div 10$
- ☐ D. $500 \div 10$

21. What percentage of the whole figure below is shaded?



Answer: _____ % of the whole figure is shaded.

Please do not write in the margin.

22. A school bought 300 bottles of distilled water for the Games Day. 65% of distilled water was used up in the morning. How many bottles of distilled water were left in the afternoon?

(Show your working)

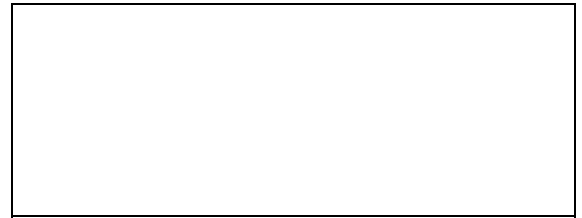


23. Fill in the following blanks with suitable units.

(a) The height of a chair is about 90 _____ .

(b) The capacity of a milk bottle is about
200 _____ .

請把電腦條碼貼在方格內
Please stick the barcode label in the box



24. The calendar of January 2016 is shown below.

January						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

(a) The 30th of December 2015 is _____ .
(day of a week)

(b) Parents' Day is on the second Sunday of January 2016.

That day is the _____ of _____ .
(day) (month)

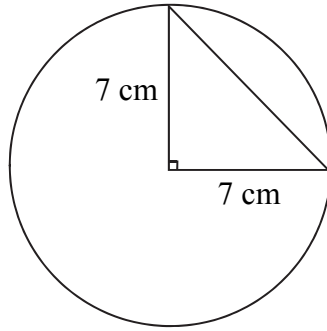
(c) 2016 is a leap year.

There are _____ days in February 2016.

Please do not write in the margin.

Please do not write in the margin.

25.



Ronny has drawn a right-angled triangle in the circle above. The diameter of the circle is 14 cm.

(a) The circumference of the circle is _____ cm.

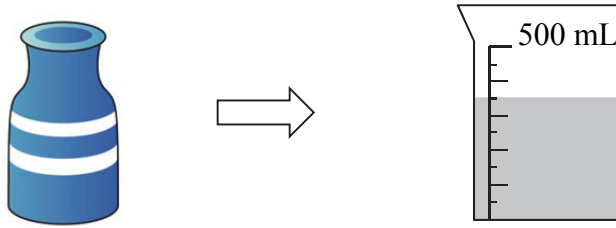
(Take π as $\frac{22}{7}$)

(b) The area of the triangle is _____ cm^2 .

Please do not write in the margin.

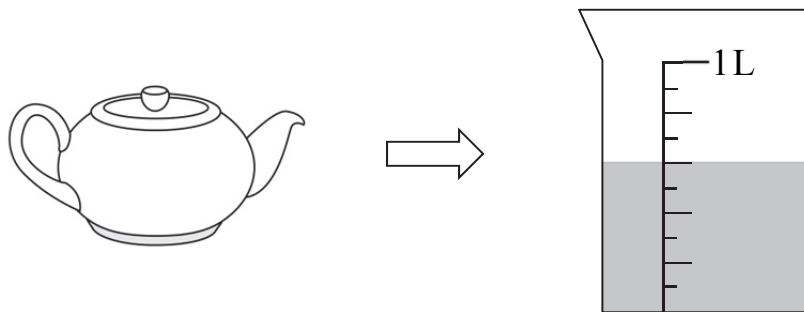
Please do not write in the margin.

26. (a) A vase is filled up with water. Pour all the water in the vase into the measuring cup.



The capacity of the vase is _____ mL.

- (b) A teapot is filled up with tea. Pour all the tea in the teapot into the measuring cup.



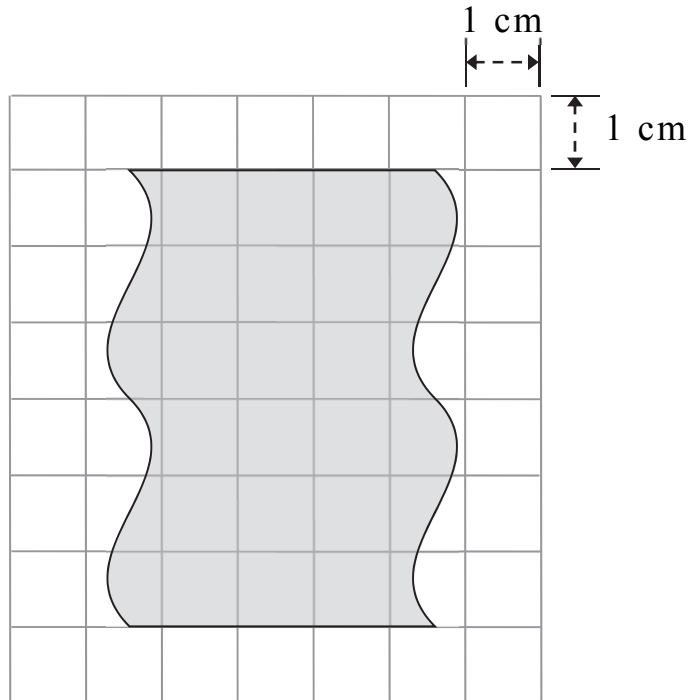
The capacity of the teapot is _____ mL.

- (c) The capacity of the vase is _____ L

* more / less than that of the teapot.

(* Circle the answer)

27. In the following diagram, the side of each square is 1 cm.



The area of the shaded part is about _____ cm^2 .

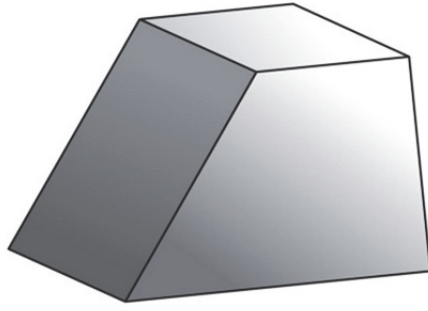
(Give the answer as a whole number)

28. Peter drives a racing car at an average speed of

200 _____ .

(Give a suitable unit)

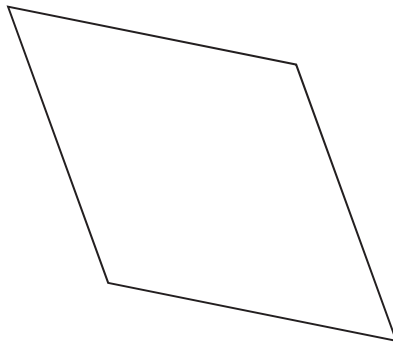
29.



The figure above is a prism.

It has _____ faces.

30.



The 2-D shape above is a

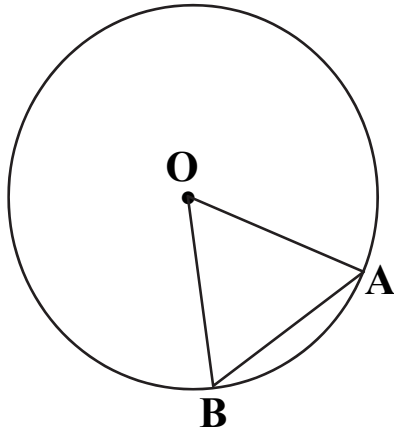
* rhombus / rectangle / trapezium .

(*Circle the answer)

It has _____ pair(s) of opposite sides parallel

and _____ equal sides.

31. A teacher drew a triangle and a circle. **O** is the centre of the circle. **OA** and **AB** are equal in length.

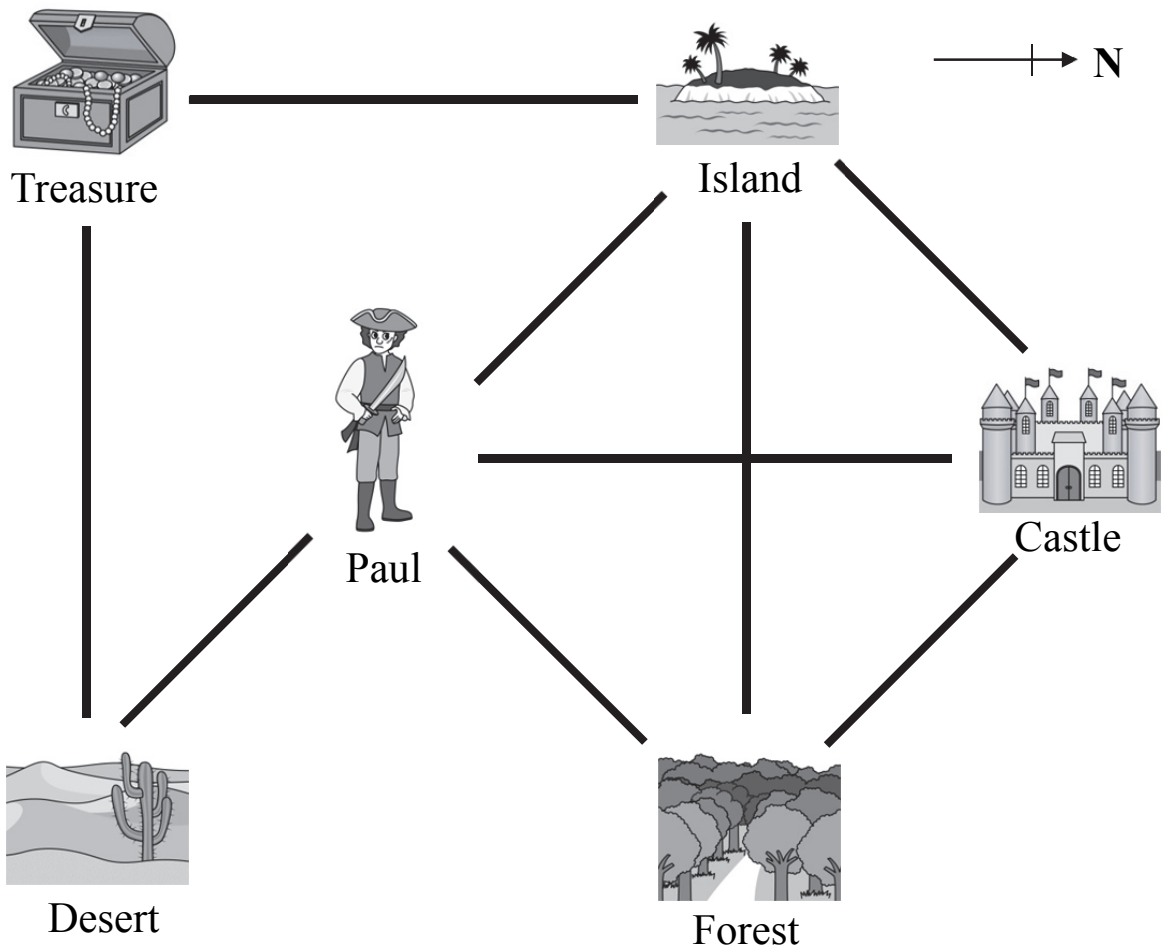


- (a) The teacher drew

* a right-angled / an isosceles / an equilateral triangle. (*Circle the answer)

- (b) The diameter of the circle is _____ times the length of **OA**.

32. The map for the Treasure Hunt is shown below.



(a) Paul goes south-east to reach Desert. Then he turns

_____ to find Treasure.
(direction)

(b) Forest is to the _____ of Island.
(direction)

Please do not write in the margin.

Please do not write in the margin.

33. Which of the following stands for 'y is divided by 8 and then adds 3'?

- ☐ A. $\frac{8}{y} + 3$
- ☐ B. $\frac{y}{8} + 3$
- ☐ C. $\frac{y + 3}{8}$
- ☐ D. $\frac{y + 8}{3}$

34. $33y = 11$

$y =$

35. A number is multiplied by 5. The result minus 20 is equal to 70. Find the number by *the method of solving an equation*.

(Show your working)

36.

The Voting Result for the Picnic Site of Class 6AEach  stands for 1 vote

Geological Park



Theme Park



Coast Park



Wetland Park



Country Park



- (a) Fill in the number of votes for Coast Park and Country Park in the table below.

Picnic Site	Geological Park	Theme Park	Coast Park	Wetland Park	Country Park
Number of votes	7	5		6	

- (b) Which two picnic sites got the same number of votes?

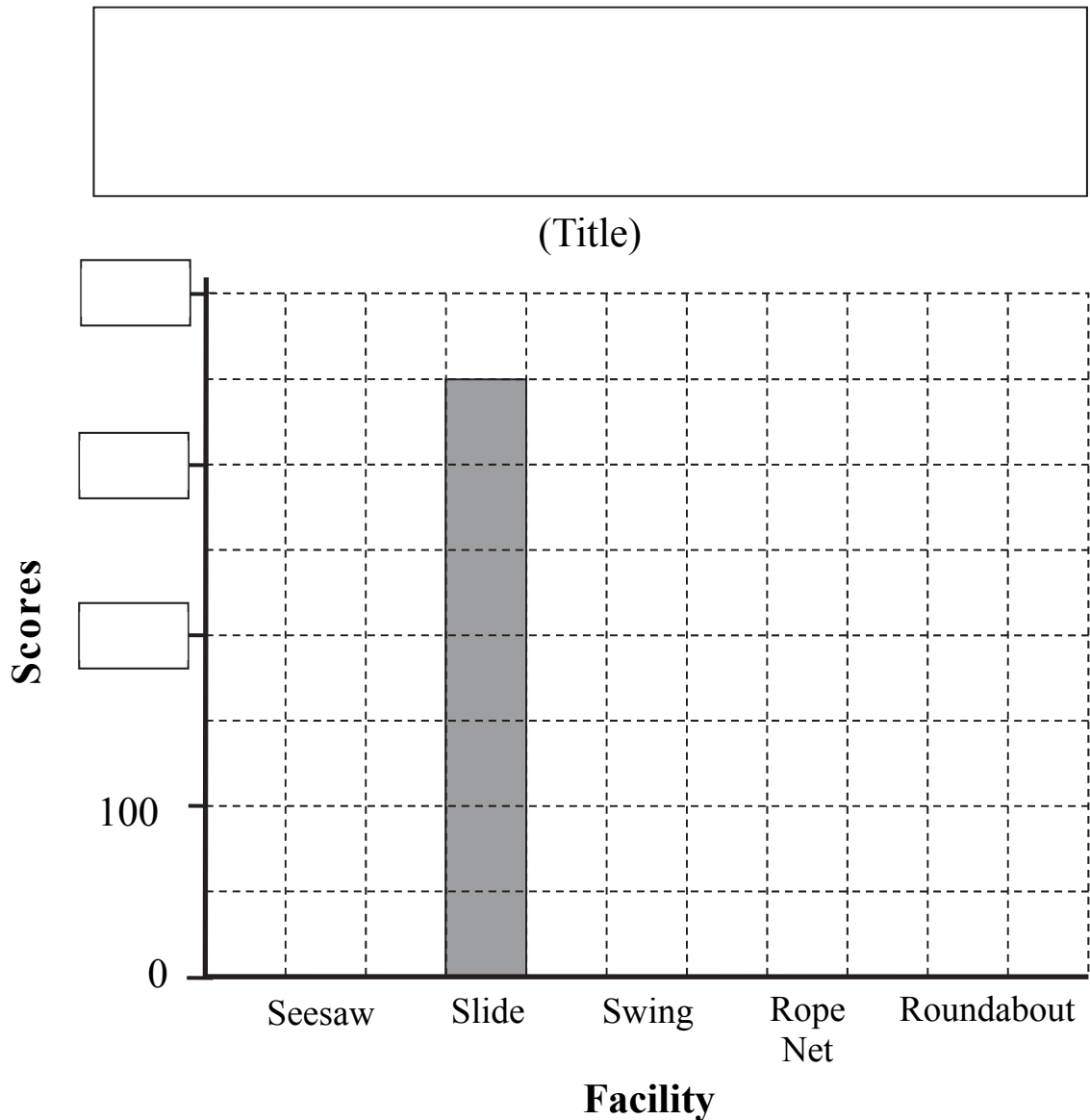
Answer: _____ Park and _____ Park got the same number of votes.

Please do not write in the margin.

37. An estate has a play zone for children. The table below shows the scores given by the residents to five facilities in the play zone.

Facility	Seesaw	Slide	Swing	Rope Net	Roundabout
Scores	200	350	300	100	50

According to the information above, use a pencil to complete the following bar chart. Add the title and scales.



Please do not write in the margin.

38. The table below shows the records of monthly rainfall in the first quarter.

Month	Monthly rainfall (mm)
January	41.6
February	32.3
March	28.4

The average monthly rainfall in the first quarter
is _____ mm.

— END OF PAPER —

